

**HEMATOPATHOLOGY FELLOWSHIP
EDUCATIONAL GOALS & OBJECTIVES****General Educational Goals**

The purpose of the one year hematopathology (HP) fellowship at UCDCMC is to provide excellent training in all aspects of hematopathology. The fellow is expected to assume primary responsibility for all aspects of the hematopathology service.

At the end of the 1-year Hematopathology fellowship, the fellow will be expected to:

1) Medical Knowledge

- a) Serve as a competent and independent diagnostician and interpreter of all hematopathology specimens. In addition to satisfying the resident level diagnostic goals and objectives, the fellow is expected to develop high competence in the following:
 - i) Interpretation of and appropriate utilization of Bone marrow biopsies and aspirate smears.
 - ii) The interpretation of marrows should include integration of clinical information, flow cytometry, cytogenetics, and molecular data.
 - iii) Lymph node and other tissues histopathology.
 - iv) Flow cytometry.
 - v) Basic and special coagulation studies.
 - vi) Protein electrophoresis.
 - vii) Hemoglobin analysis.
 - viii) Body fluid and peripheral blood smear review
 - ix) Cytogenetics, FISH and molecular pathology studies.
- b) Provide teaching sessions to residents for morning conferences.
- c) Be directly involved in participation of fellow didactic sessions.
 - i) Fellow will present 7 didactic sessions-six hematopathology topics of interest and one journal club

2) Practice Based Learning

- a) Participate in a research project leading to publication in a peer reviewed journal is strongly encouraged. Research funding is available by application to the Department of Pathology Advisory Research Committee (ARC).
- b) Develop an analytical approach to diagnoses which includes appropriate use of ancillary techniques such as cytochemical stains, immunohistochemistry, cytogenetics, and molecular pathology. In addition, the fellow must be able to recognize his/her limitations and ask for appropriate consultations.
- c) Participates in and completes a laboratory quality improvement project.
- d) Attend/present at a regional/national Hematology-related conference.
- e) Serve as a junior faculty member under a faculty's supervision by teaching and providing service for four weeks. This will include being on call for all of those weeks, including four weekend calls. The fellow is expected to remain available and not schedule vacation during junior faculty weeks.
- f)

3) Systems Based Practice

- a) Participates in a CAP Inspection or a mock CAP Inspection in conjunction with the residents.

- b) Teach medical students, residents, pathologists, technologists, hematology/oncology clinical fellows, and other clinicians.
- c) Attend and present at the weekly clinical hematology/oncology rounds (“Mega-Rounds”, Tuesdays – 7:30 – 8:30 am).
- d) Attend and present at weekly adult hematology/oncology tumor board (Mondays-12:00-1:00 pm)
- e) Attend and present at biweekly pediatric tumor board (Tuesdays 12:00-1:00pm)
- f) Attend and present at weekly hematopathology consensus conference (time may vary)
- g) Develop administrative skills to effectively manage a hematopathology service
 - i) The fellow is expected to participate in daily operational issues on the hematopathology service. Questions regarding these issues will be primarily directed to the fellow, as appropriate.
 - ii) Attend hematopathology service operations meetings including monthly administrative hematology/coagulation meetings and Hematopathology faculty meetings if necessary.
 - iii) On the first day of each rotation, the fellow is expected to orient the incoming resident to the hematopathology workflow. This includes guidance on heme-path services, organizing slides on the tray, a refresher or basic overview of flow cytometry, and instruction on locating relevant network folders for flow cytometry data. The fellow should also actively engage with the resident whenever possible in the triaging of lymphoma specimens during grossing, as well as in the evaluation of lymphoma cases, bone marrow specimens, peripheral blood smears, and flow cytometry cases. In case of any questions refer to the corresponding faculty on service.
 - iv) The fellow assumes the responsibility of assisting residents with their cases, particularly in areas such as differential diagnosis and immunohistochemistry. During the first six months of fellowship, the fellow focuses on developing their skills in these areas. By the second half of the training year, the fellow is expected to have gained sufficient expertise to effectively support residents in working through their cases.
- h) **Patient Care**
 - a) Preparation of complete reports with integration of all available data to make a concise and meaningful diagnosis starting with at least five case (including HM and SP cases and associated flow cytometry) and increasing the number cases with advancement in subsequent months of training.
 - b) Competently perform bone marrow biopsies.
 - c) Fellow will be on junior faculty rotation for 4 weeks to be prepared for independent sign out.
- i) **Interpersonal Communication Skills**
 - a) Attend and present hematopathology cases at adult and pediatric hematology tumor boards.
 - b) Serve as a consultant to health care providers such as but not limited to flow cytometry and hematology lab and frozen section room for lymphoma workup cases.
 - c) Must be able to effectively communicate results with clinicians.
 - d) Must be able to discuss cases and present pathology cases in other conferences.
- j) **Professionalism**
 - a) The fellow is expected to attend all Departmental Conferences with mandatory attendance.
 - b) The fellow is expected to report and fill out duty hours.
 - c) The fellow is expected to submit vacation prior to July 1st of starting the fellowship.
 - d) The fellow is expected to remain available and not schedule vacation during junior faculty weeks.